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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/040,759	01/09/2002	Hyuck Jin Kwon	K-0369	2164

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EXAMINER
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IQBAL, KHAWAR

ART UNIT	PAPER NUMBER
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2617

DATE MAILED: 12/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/040,759

Applicant(s)

KWON, HYUCK JIN

Examiner

Khawar Iqbal

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 18 October 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4, 10, 12, 13, 15-18, 20, 23-27, 29, 30 and 41-43 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.

- 6) ☒ Claim(s) 1-4, 10, 12-13, 15-18, 20, 23-27, 29, 30, 41-43 is/are rejected.

- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.

- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-4,10,12-13,15-18,20,41-43 are rejected under 35 U.S.C. 102(e) as being anticipated by Behr et al (20060052090).
3. Regarding claim 1 Behr et al teaches a method of providing a position-matched information service, comprising (figs. 1-2, 40-41):

searching a database of information for content corresponding to a particular business, a particular building or a particular public place of a current location of a mobile terminal determined by location tracking when information content is requested by the mobile terminal (para. # 0064,0070); and transmitting the searched content to the mobile terminal, the transmitted content including conversation multimedia relevant to the particular business, the particular building or the particular public place of the current location of the mobile terminal (para. # 0070,133-134), wherein the location tracking comprises: receiving an inherent number given to a base transceiver station controlling the mobile terminal and a tracking location of the mobile terminals through the tracking location being carried out on a continuous basis from a

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network (para. # 0041,0054,0070,0080); matching the received inherent number of the base transceiver station with a previously stored electronic map of a service area of the base transceiver station (para. # 0041,0043,0054,0070,0080); and determining the particular business, the particular building or the particular public place coinciding with the tracking location of the mobile terminal on the electronic map as a site of the mobile terminal (para. # 0064,0070), and wherein transmitting the searched content includes: transmitting a menu listing a plurality of situations corresponding to the determined particular business, the determined particular building or the determined particular public place (para. # 0070,133-144, fig. 40); displaying the menu on the mobile terminal; and transmitting, when a specific one of the situations is selected from the displayed menu on the mobile terminal, at least one conversation multimedia phrase corresponding to the selected one of the situations from the menu (a language query requests a list of available languages for display of information at the mobile unit or specifies the language such as English in which the routing information is to be displayed at the remote unit) (para. # 0070,0133-0144, fig. 40).

Regarding claim 10 Behr et al teaches a method of providing a position-matched information service, comprising (figs. 1-2,40-41): tracking a location of a specific mobile terminal (para. # 0064,0070); registering a final location of the mobile terminal (para. # 0064,0070); searching a specific multimedia data stored in a memory that corresponds to the registered final location when the mobile terminal requests a multimedia service at the registered final location (para. # 0041,0043,0054,0070,0080); and transmitting the multimedia data to the mobile terminal, the transmitted multimedia data including

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English conversation multimedia phrases relating to a plurality of conversations at a one of a business, a building or a public place corresponding to the registered final location of the tracked specific mobile terminal (para. # 0041,0043,0054,0070,0080,0133-0144), wherein tracking the location comprises: receiving an inherent number given to a base transceiver station controlling the mobile terminal and a tracking location of the mobile terminal, the tracking location being carried out on a continuous basis from a network; matching the received inherent number of the base transceiver station with a previously stored electronic map of a service area of the base transceiver station (para. # 0041,0043,0054,0070,0080,0133-0144); and determining the one of the business, the building or the public place coinciding with the tracking location of the mobile terminal on the electronic map as the site of the mobile terminal (para. # 0041,0043,0064,0070,0080,0133-0144).

Regarding claim 2 Behr et al teaches wherein the information content comprises multimedia information content (para. # 0070, 0133-0144 ).

Regarding claims 3,13 Behr et al teaches wherein comprises the multimedia information at least one of video, audio and text data (para. # 0070).

Regarding claims 4,15-17 Behr et al teaches wherein the multimedia information content comprises at least one of a series of conversational phrases appropriate to the current location of the mobile terminal (para. # 0070,133-134, fig. 40).

Regarding claim 12 Behr et al teaches wherein the English language conversation data comprise phrases to be used at the one of the business, the building

or the public place corresponding to the registered final location of the tracked specific mobile terminal (para. # 0070,0133-0144).

Regarding claim 18 Behr et al teaches a method of providing a position-matched English conversation service, comprising: storing a plurality of English language conversational phrases as multimedia data corresponding to a plurality of situations of a plurality of specific locations (para. # 0041,0043,0054,0070,0080,0133-0144); determining a specific location of a mobile terminal in accordance with a location tracking procedure when the mobile terminal requests an English conversation service; determining which one of the plurality of specific locations corresponds to the specific location of the mobile terminal (para. # 0041,0043,0054,0070,0080,0133-0144); storing an electronic map of a service area for each base transceiver station servicing the mobile terminal; and transmitting the English language conversational conversation multimedia phrases corresponding to a plurality of conversations relevant to the specific location of the mobile terminal (para. # 0041,0043,0054,0070,0080,0133-0144), wherein the location tracking procedure comprises: receiving an inherent number given to a base transceiver station controlling the mobile terminal and a tracking location of the mobile terminal through carrying out on a continuous basis from a network (para. # 0041,0043, 0054,0070,0080,0133-0144); matching the received inherent number of the base transceiver station with a corresponding previously stored electronic map of the service area of the base transceiver station (para. # 0041,0043,0054,0070, 0080,0133-0144); and determining the specific location coinciding with the tracking

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location of the mobile terminal on the electronic map as the site of the mobile terminal, wherein transmitting the English language conversation multimedia phrases comprises: transmitting a menu listing the plurality of situations corresponding to the determined specific location, and transmitting, when a specific one of the situations is selected from the menu on the mobile terminal, the English language conversation multimedia phrase corresponding to the selected one of the situations from the menu (para. # 0041,0043,0064, 0070, 0080, 0133-0144).

Regarding claim 20 Behr et al teaches wherein the menu is displayed on the mobile terminal, a menu item for a desired situation is selected by a user (para. # 0064, 0070, 0133-0144).

Regarding claims 41-43 Behr et al wherein determining the particular business, the particular building or the particular public place comprises determining that the mobile terminal is located within a restaurant, and wherein searching the database comprises searching for information corresponding to the restaurant the mobile terminal is located within (para. # 0041,0043,0064, 0070, 0080, 0133-0144).

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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5. Claims 23-27,29-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Behr et al (20060052090) and further in view of Leifer (6681109) and Rao et al (6865261).

6. Regarding claim 23 Behr et al teaches a method of providing a position-matched English conversation service, comprising (figs. 1-2,40-41):

storing a plurality of English conversational multimedia phrases relating to a plurality of conversations (para. # 0041,0043,0064,0070,0080,0133-0144); determining a present location of a mobile terminal when an English conversation service is requested from the mobile terminal (para. # 0041,0043,0064,0070,0080,0133-0144); and a selected one of the plurality of the related English conversational multimedia phrases to the mobile terminal when it is determined that the present location of the mobile terminal (para. # 0041,0043,0064,0070,0080,0133-0144), transmitting a selected one of the plurality of the related English conversational phrases to the mobile terminal (para. # 0064,0070,0133-0144). Behr et al teaches the system has a base unit (12) exchanging data messages with remote units (14) to provide multiple information services. The base unit includes a database representing geographic information and a database updater. Route guidance services provide route guidance information to a remote unit, and surroundings explorer services provide information to the remote unit for identifying points of interest. A language query requests a list of available languages for display of information at the mobile unit or specifies the language such as English in which the routing information is to be displayed at the remote unit. The query message 120 further includes a subscriber identifier field



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130. The information provided in this field may be used for billing and audit information. The query message 120 further includes a message identifier field

132. The characters in this field are used to tag response messages transmitted from the base unit 12 to the requesting mobile unit.

Regarding claims 24-27,29-30 Behr et al teaches English conversational multimedia phrases are classified into a first situation multimedia data, a second situation multimedia data used, and wherein the classified first, second, and third situation multimedia data are transmitted to the mobile terminal in a single data stream (para. # 0041,0043,0064,0070,0080,0133-0144). Behr et al does not specifically teach terminal located within restaurant, ordering meal dining at restaurant.

In an analogous art, Leifer teaches terminal located within restaurant, ordering meal dining at restaurant (col. 2, lines 21-45). A central station (12) stores the customer location information corresponding to the restaurant and the pager information corresponding to the customer location in a memory. The central station identifies the customer location and transmits received customer item request to a pager (20) of waiter identified to be in close proximity to the service area. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Behr et al by specifically adding feature terminal located within restaurant, ordering meal dining at restaurant in order to enhance system performance as taught by Leifer. Behr et al and Leifer do not specifically teach transmitting a selected one of the plurality of the related English conversational multimedia phrases to the mobile terminal for ordering meal. In an analogous art, Rao et al teaches teach

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transmitting a selected one of the plurality of the related English conversational phrases to the mobile terminal for ordering meal (col. 7, lines 35-53). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Behr et al and Leifer by specifically adding feature transmitting a selected one of the plurality of the related English conversational multimedia phrases to the mobile terminal and terminal located within restaurant in order to enhance system performance as taught by Rao et al.

### ***Response to Arguments***

Applicant's arguments with respect to claims 1-4,10,12-13,15-18,20,23-27,29,30, 41-43 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khawar Iqbal whose telephone number is 571-272-7909.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, GEORGE ENG can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

*Khawar Iqbal*

  
GEORGE ENG  
SUPERVISORY PATENT EXAMINER